



**Granville Bowman**  
Director

### **Mission Statement**

*The Public Works Department provides a broad range of services and infrastructure to help ensure safe and desirable communities for the people of San Bernardino County. Areas of responsibilities include roads, traffic, flood control, storm water quality, water conservation, solid waste services, and County Surveyor functions.*



### **GOALS**

**IMPROVE FLOOD PROTECTION AND INCREASE WATER RECHARGE**

**MAINTAIN EFFICIENCY OF LANDFILL SPACE UTILIZATION**

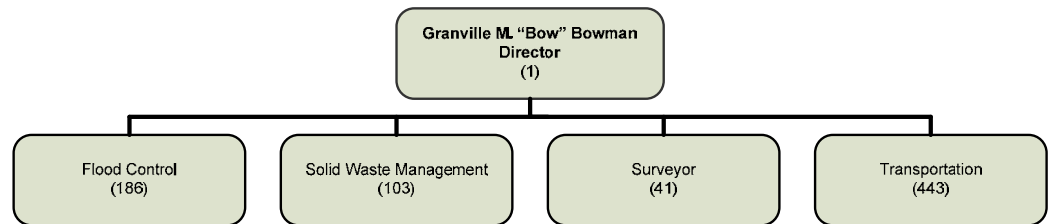
**PROVIDE TIMELY MAP AND PLAN CHECK SERVICES**

**MAINTAIN SAFETY AND MAINTENANCE OF COUNTY ROADS**



## **PUBLIC WORKS**

### **ORGANIZATIONAL CHART**



### **DESCRIPTION OF MAJOR SERVICES**

The Department of Public Works is comprised of the Flood Control District, Solid Waste Management, Surveyor and Transportation as described below:

#### **Flood Control District**

The San Bernardino County Flood Control District (District) was created in 1939 under special state legislation. Since its inception, the District has developed a very extensive system of regional flood control and water conservation facilities, including dams, conservation basins, debris basins, channels and storm drains.

#### **Solid Waste Management**

The Solid Waste Management Division (SWMD) is responsible for the operation and management of the county's solid waste disposal system, which consists of six regional landfills, nine transfer stations, two low volume transfer operations/community collection centers and thirty-three closed landfills or disposal sites. The SWMD also administers the county's solid waste franchise program, which authorizes and regulates trash collection by private haulers in the county unincorporated area, and state mandated waste diversion and recycling programs.

#### **Surveyor**

The function of the County Surveyor is to review subdivision maps as prescribed by state law, prepare legal descriptions and maps for other county departments, assist the public in matters relating to land boundaries, and ensure that sound surveying is used in the preparation of maps and plans for project development within the county. The Surveyor ensures these maps and plans conform to conditions of approval, local ordinances, standards for development, and state laws. The Surveyor also maintains the county GIS Parcel Basemap for integrity and accuracy.

#### **Transportation**

The Transportation Division is responsible for the operation, maintenance, and improvement of the county's road system that currently includes approximately 2,780 miles of roadways. Additional activities include administration, planning, design, construction, and traffic operations.



Flood Control – Sultana Cypress Storm Drain



Mid-Valley Sanitary Landfill, Unit 3



Crestline Cut Off Retaining Wall

## 2009-10 SUMMARY OF BUDGET UNITS

	Operating Exp/ Appropriation	Revenue	Local Cost	Fund Balance	Revenue Over/ (Under) Exp	Staffing
<b>Surveyor Function:</b>						
Surveyor	4,754,089	4,507,402	246,687			41
Survey Monument Preservation	202,594	40,000		162,594		-
<b>Transportation Division:</b>						
Road Operations	82,090,507	69,791,702		12,298,805		444
High Desert Corridor Project	2,132,367	1,941,483		190,884		-
Facilities Development Plans	8,934,025	583,280		8,350,745		-
Measure I Program	30,693,421	9,975,209		20,718,212		-
Regional Development Mitigation Plan	2,914,615	363,564		2,551,051		-
<b>Solid Waste Management Division:</b>						
Operations	86,188,172	62,966,267			(23,221,905)	103
Site Closure and Maintenance	8,714,809	4,924,198			(3,790,611)	-
Site Enhancement, Expansion and Acquisition	12,263,558	2,927,487			(9,336,071)	-
Environmental Fund	14,712,332	18,557,592			3,845,260	-
Environmental Mitigation Fund	3,196,725	2,520,315			(676,410)	-
<b>Flood Control District:</b>						
Consolidated Funds	133,349,386	89,216,082		44,133,304		186
Equipment Fund	1,724,001	2,935,000			1,210,999	-
<b>TOTAL</b>	<b>391,870,601</b>	<b>271,249,581</b>	<b>246,687</b>	<b>88,405,595</b>	<b>(31,968,738)</b>	<b>774</b>

## GOALS, OBJECTIVES, AND PERFORMANCE MEASURES

### GOAL 1: FLOOD CONTROL DISTRICT – IMPROVE FLOOD PROTECTION AND INCREASE WATER RECHARGE AT FLOOD CONTROL FACILITIES.

*Objective A: Continue to increase the annual volume of water recharge at District facilities.*

*Objective B: Continue to reduce risk of flooding from District levees.*

MEASUREMENT	2007-08 Actual	2008-09 Actual	2009-10 Target	2009-10 Estimate	2010-11 Target
1A. Acre-feet of water recharged at Flood Control District basins.	20,385	27,300	24,000	30,000	30,000
1B. Number of miles of District Levee or Flood Control facilities studied to meet FEMA standards.	N/A	66	75	75	N/A

### Status

Increasing the annual volume of water recharge remains an important objective for the District due to the area's arid nature and current drought conditions. The District has partnered with a number of water agencies to maximize the use of flood control facilities for water conservation purposes. Water from a variety of manmade transmission sources is spread within the District's basins for dry season groundwater recharge. Also, the District is continuing to permit/install devices that trap and retain storm water for enhanced recharge. The recharge volume for 2008-09 was 27,300 acre-feet, which represents an increase from the previous year. Projections for the next few years show only a modest increase because of predictions that the statewide drought conditions may continue. This emphasizes the importance of capturing available storm water runoff. The projected increases are in anticipation of the availability of more recycled water for recharge purposes.

### 2008-09 ACCOMPLISHMENTS

#### Flood Control

- ❖ Completion of Randall Basin
- ❖ Completion of Oak Glen Basins

#### Solid Waste Management

- ❖ Countywide Disposal Site Diversion Program
- ❖ Installed Title 27 monitoring probes at Barstow Landfill
- ❖ Constructed third septic pond at Barstow Landfill
- ❖ Constructed improved drainage course at San Timoteo Landfill
- ❖ Re-established protected habitat at San Timoteo Landfill
- ❖ Improved Gas system at Heaps Peak Disposal Site

#### Surveyor

- ❖ Reduced processing times for map and plan check reviews
- ❖ Provided support for completion of various Flood Control, Solid Waste Management and Transportation projects

#### Transportation

- ❖ Completed over 10.8 miles of roadway resurfacing projects
- ❖ Completed drainage work on 3 roadways
- ❖ Completed installation on 3 new traffic signals and 1 major signal modification
- ❖ Paved 1 new road
- ❖ Replaced guardrails and retaining walls on 4 roadways
- ❖ Completed 3 new sidewalk projects

Objective B focuses on the current mandates by the Federal Emergency Management Agency (FEMA) to certify numerous levees within the county. The existing levee systems, while having performed adequately during more recent flooding events, must be tested and studied to determine that the facility meets FEMA requirements so properties of our citizens can maintain their current flood plain designations and corresponding insurance requirement levels. The Flood Control District has made an intensified effort to certify or determine whether the facilities meet the requirements of FEMA for approximately 75 miles of levees last fiscal year and this current fiscal year. Some levees will require additional geotechnical investigation and analysis in order to determine that they can be certified or brought up to FEMA standards. In 2010-11 we will be working on rehabilitating the levees that are unable to be certified at this time; this will result in changing the goal objectives. Ongoing maintenance and reporting to maintain the levels of protection is also required.

**GOAL 2: SOLID WASTE MANAGEMENT– MAINTAIN THE LEVEL OF EFFICIENCY CONCERNING LANDFILL SPACE UTILIZATION.**

*Objective A: Maintain the existing volume of trash per cubic yard deposited into the County's solid waste disposal system.*

MEASUREMENT	2007-08 Actual	2008-09 Actual	2009-10 Target	2009-10 Estimate	2010-11 Target
2A. Pounds of trash per cubic yard of capacity:					
Low Volume Sites	1,104	1,104	1,100	1,100	1,100
Medium Volume Sites	1,177	1,177	1,180	1,180	1,180
High Volume Sites	1,360	1,360	1,360	1,360	1,360

Status

SWMD's goal of efficiently utilizing landfill capacity is the most important element for the Solid Waste Management Division and its operations. By utilizing capacity in the most effective manner, the division is able to operate each landfill to its maximum life expectancy and provide services to the public at the lowest possible cost. The division believes that the 2008-09 actual pounds of trash per cubic yard of capacity are optimal amounts and representative of efficient landfill operations. Therefore, the target for 2010-11 is to maintain these current density levels. The density of landfilled trash is an easily measured objective and is one of the performance measures in the County's Landfill Operations Contract.

**GOAL 3: SURVEYOR – PROVIDE TIMELY MAP AND PLAN CHECK SERVICES FOR CUSTOMERS.**

*Objective A: Continue to reduce the processing times for map and plan check reviews.*

MEASUREMENT	2007-08 Actual	2008-09 Actual	2009-10 Target	2009-10 Estimate	2010-11 Target
3A. Percentage of parcel maps completed within 65 working days (2007-08), 60 working days (2008-09), 40 working days (2009-10), and 20 working days (2010-11).	100%	100%	100%	100%	100%
Percentage of record of surveys completed within 75 working days (2007-08), 70 working days (2008-09), 50 working days (2009-10), and 30 working days (2010-11).	100%	100%	100%	100%	100%
Percentage of corner records completed within 75 working days (2007-08), 70 working days (2008-09), 35 working days (2009-10), and 20 working days (2010-11).	100%	100%	100%	100%	100%
Percentage of final maps completed within 35 working days (2007-08), 35 working days (2008-09), 30 working days (2009-10), and 20 working days (2010-11).	100%	100%	100%	100%	100%

Status

The Surveyor's goal of providing efficient map and plan checking services is crucial for the pace of development in this county. This function is necessary for development to proceed in a controlled manner and is mandated by either state laws or internal county standards. Over the past few years, the Surveyor had significantly reduced the backlog of subdivision (parcel and final map) work resulting from development activity. The Surveyor anticipates that it will successfully meet its goals for completing parcel maps, records of surveys, corner records and final maps within

established timeframes during 2009-10. The objective for 2010-11 is to continue the trend of reducing the length of time needed to complete the map/plan review process.

#### **GOAL 4: TRANSPORTATION – MAINTAIN THE LEVEL OF SAFETY AND MAINTENANCE FOR COUNTY MAINTAINED ROADS.**

*Objective A: Maintain the average Pavement Condition Index (PCI) for County maintained roads at a “good” or higher PCI category*

MEASUREMENT	2007-08 Actual	2008-09 Actual	2009-10 Target	2009-10 Estimate	2010-11 Target
4A. Average Pavement Condition Index of county maintained roads.	77	78	76	77	77

##### Status

Transportation's goal is to maintain the high level of road safety and conditions, as roads are historically high on the concerns of the public. The average Pavement Condition Index (PCI) is the standard used for the overall structural status of a road. Any road with a grade of 70 or greater is considered to be in very good condition. As a result, of lobbying statewide by cities and counties, funding has slowly increased over the last few years allowing the department to raise the overall average condition of county roads where the PCI now exceeds 70. By continuing to appeal for additional road funds and by carefully balancing the type of projects used to repair roads, the department's goal is to continue to maintain the current level of safety and maintenance of county maintained roads.

#### **2010-11 REQUESTS FOR GENERAL FUND FINANCING**

The department is not requesting any additional general fund financing for 2010-11.

#### **2010-11 PROPOSED FEE/RATE ADJUSTMENTS**

DESCRIPTION OF FEE REQUEST	SERVICE IMPACTS
<b>Flood Control District</b> 1. Increase 3 inspection fees and one filing fee to be uniform with all other inspection and filing fees currently charged by the District.  2. Environmental Management Division needs to establish new fees for the National Pollutant Discharge Elimination System (NPDES). Inspections are performed currently of industrial and commercial business storm water discharges into municipal drainage systems. Proposal is to implement a new fee structure to recoup the costs related to these inspections from these businesses on an annual basis.	Fee adjustments are needed to make all filing and inspection fees uniform and to recover the costs associated with the services provided.  A proposed fee schedule will provide a funding source for National Pollutant Discharge Elimination System (NPDES) inspections of industrial and commercial within our jurisdiction pursuant to the municipal stormwater permit. The fees are based on the average time spent on inspecting the various types of businesses and it will be dependent upon the category in which the business falls under.
<b>Solid Waste Management</b> 1. New Proposed Fee – Lost Article /Waste Review Fee – minimum time of \$25.00 for 15 minutes and \$100.00 per hour fees for interrupting current land filling operations to conduct a search for something of value or perform a waste characterization review.	To recover operational and staff costs to conduct and oversee the search for valuables inadvertently disposed of in the waste stream or to review the characteristics of the immediate waste stream.

If there are questions about this business plan, please contact Granville M. “Bow” Bowman, Director, at (909) 387-7906.